

in applicable specifications shall be made at the place of manufacture prior to shipment. Unless otherwise specified, tests shall be performed at room temperature. These tests when performed in the presence of a marine inspector will be so conducted as not to interfere unnecessarily with the operation of the plant.

(d) Marine inspectors shall assure themselves that test specimens are marked for positive identification with the materials which they represent.

[CGFR 68-82, 33 FR 18808, Dec. 18, 1968, as amended by CGD 77-140, 54 FR 40599, Oct. 2, 1989]

**§ 50.25-10 Acceptance of piping components by specific letter or approved plan.**

(a) A manufacturer of a piping component which does not comply with an adopted industry standard and requires acceptance by specific letter or approved plan must do the following:

(1) Submit an engineering type catalog or representative drawings of the component which includes the pressure and temperature ratings of the component and identify the service for which it is intended.

(2) Identify materials used to fabricate the component. Materials must meet the requirements of subpart 56.60 of this chapter. If the component is not manufactured to accepted material specifications, the manufacturer must prove equivalency to accepted material specifications by comparing details of the materials' chemical composition, mechanical properties, method of manufacture, and complete chemical and mechanical test results with an accepted material specification.

(3) Identify the industry standard, if any, to which the component is manufactured.

(4) Submit a description of non-destructive testing performed on the component.

(5) Submit a description of the marking applied to the component.

(6) Submit information showing compliance with the requirements of part 56, subparts 56.15, 56.20, 56.25, 56.30, or 56.35 of this chapter, as applicable.

(7) Submit any additional information necessary to evaluate the compo-

nent's acceptability for its intended application.

(b) If the component is found to comply with the requirements of this subchapter, the component is designated as acceptable for its intended installation. This acceptance is in the form of a specific letter relating directly to the particular component or in the form of an approved piping system plan in which the component is identified as an integral part.

[CGD 77-140, 54 FR 40599, Oct. 2, 1989]

**Subpart 50.30—Fabrication Inspection**

**§ 50.30-1 Scope.**

(a) The manufacturer shall notify the Officer in Charge, Marine Inspection, of the intended fabrication of pressure vessels that will require Coast Guard inspection.

(b) For exemption of certain pressure vessels from shop inspection see § 54.01-15 of this subchapter.

(c) For a classification delineation of boilers and pressure vessels refer to Tables 54.01-5(a) and 54.01-5(b) of this subchapter.

[CGFR 68-82, 33 FR 18808, Dec. 18, 1968, as amended by CGD 81-79, 50 FR 9431, Mar. 8, 1985]

**§ 50.30-10 Class I, I-L and II-L pressure vessels.**

(a) Classes I, I-L and II-L pressure vessels shall be subject to shop inspection at the plant where they are being fabricated, or when determined necessary by the Officer in Charge, Marine Inspection.

(b) The manufacturer shall submit Class I, I-L and II-L pressure vessels, as defined in Parts 54 and 56 of this subchapter for shop inspection at such stages of fabrication as may be requested by the Officer in Charge, Marine Inspection.

[CGD 95-012, 60 FR 48049, Sept. 18, 1995]

**§ 50.30-15 Class II pressure vessels.**

(a) Class II pressure vessels shall be subject to shop inspections at the plant where they are being fabricated, as or when determined necessary by the Officer in Charge, Marine Inspection. The inspections described in this section

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are required, unless specifically exempted by other regulations in this subchapter.

(b) The first inspection of Class II welded pressure vessels shall be performed during the welding of the longitudinal joint. At this time the marine inspector shall check the material and fit-up of the work, and ascertain that only welders who have passed the required tests are employed.

(c) A second inspection of Class II welded pressure vessels shall be made during the welding of the circumferential joints. At this time the marine inspector shall check any new material being used which may not have been examined at the time of the first inspection, also the fit-up of the vessel at this stage of fabrication, and in addition, observe the welding and ascertain that only welders who have passed the required tests are employed.

## § 50.30-20 Class III pressure vessels.

(a) Class III pressure vessels shall be subject to shop inspection at the plant where they are being fabricated, as or when determined necessary by the Officer in Charge, Marine Inspection. The inspection described in this section is required, unless specifically exempted by other regulations in this subchapter.

(b) For Class III welded pressure vessels, one inspection shall be made during the welding of the longitudinal joint. If there is no longitudinal joint, the inspection shall be made during the welding of a circumferential joint. At this time the marine inspector shall check the material and fit-up of the work and see that only welders who have passed the required tests are employed.

## PART 51 [RESERVED]

## PART 52—POWER BOILERS

### Subpart 52.01—General Requirements

Sec.

52.01-1 Incorporation by reference.

52.01-2 Adoption of section I of the ASME Code.

52.01-3 Definitions of terms used in this part.

52.01-5 Plans.

52.01-10 Automatic controls.

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52.01-35 Auxiliary, donkey, fired thermal fluid heater, and heating boilers.

52.01-40 Materials and workmanship.

52.01-50 Fusible plugs (modifies A-19 through A-21).

52.01-55 Increase in maximum allowable working pressure.

52.01-90 Materials (modifies PG-5 through PG-13).

52.01-95 Design (modifies PG-16 through PG-31 and PG-100).

52.01-100 Openings and compensation (modifies PG-32 through PG-39, PG-42 through PG-55).

52.01-105 Piping, valves and fittings (modifies PG-58 and PG-59).

52.01-110 Water-level indicators, water columns, gauge-glass connections, gauge cocks, and pressure gauges (modifies PG-60).

52.01-115 Feedwater supply (modifies PG-61).

52.01-120 Safety valves and safety relief valves (modifies PG-67 through PG-73).

52.01-130 Installation.

52.01-135 Inspection and tests (modifies PG-90 through PG-100).

52.01-140 Certification by stamping (modifies PG-104 through PG-113).

52.01-145 Manufacturers' data report forms (modifies PG-112 and PG-113).

### Subpart 52.05—Requirements for Boilers Fabricated by Welding

52.05-1 General (modifies PW-1 through PW-54).

52.05-15 Heat treatment (modifies PW-10).

52.05-20 Radiographic and ultrasonic examination (modifies PW-11 and PW-41.1).

52.05-30 Minimum requirements for attachment welds (modifies PW-16).

52.05-45 Circumferential joints in pipes, tubes and headers (modifies PW-41).

### Subpart 52.15—Requirements for Watertube Boilers

52.15-1 General (modifies PWT-1 through PWT-15).

52.15-5 Tube connections (modifies PWT-9 and PWT-11).

### Subpart 52.20—Requirements for Firetube Boilers

52.20-1 General (modifies PFT-1 through PFT-49).

52.20-17 Opening between boiler and safety valve (modifies PFT-44).

52.20-25 Setting (modifies PFT-46).

### Subpart 52.25—Other Boiler Types

52.25-1 General.

52.25-3 Feedwater heaters (modifies PFH-1).

52.25-5 Miniature boiler (modifies PMB-1 through PMB-21).